2,2-Dimethoxy-N-methyl-ethanamine

Other names:	2,2-Dimethoxyethyl(methyl)amine
	2-(Methylamino)acetaldehyde dimethyl acetal
	Acetaldehyde, (methylamino)-, dimethyl acetal
	Methylaminoacetaldehyde dimethyl acetal
	N-Methylaminoacetaldehyde dimethyl acetal
Inchi:	InChI=1S/C5H13NO2/c1-6-4-5(7-2)8-3/h5-6H,4H2,1-3H3
InchiKey:	HUMIEJNVCICTPJ-UHFFFAOYSA-N
Formula:	C5H13NO2
SMILES:	CNCC(OC)OC
Mol. weight [g/mol]:	119.16

Physical Properties

Property code	Value	Unit	Source
hfus	12.66	kJ/mol	Joback Method
logp	-0.175		Crippen Method
mcvol	103.030	ml/mol	McGowan Method
tb	413.20	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	207.41	J/mol×K	408.37	Joback Method
cpg	217.36	J/mol×K	437.54	Joback Method
cpg	227.06	J/mol×K	466.71	Joback Method
cpg	236.51	J/mol×K	495.89	Joback Method
cpg	245.69	J/mol×K	525.06	Joback Method
cpg	254.60	J/mol×K	554.23	Joback Method
cpg	263.24	J/mol×K	583.40	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C122076&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature